100 Mile House TSA

New Adjustment Factors for Stocking Class Correction

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REVISED APPENDIX D: ADJUSTMENT FACTORS FOR >30 YEARS, VT POPULATION OF INTEREST, WITH STOCKING CLASS CORRECTION

This document replaces Appendix D of the 100 Mile House TSA Documentation of Analysis for Vegetation Resources Inventory Statistical Adjustment ADDENDUM (September 2003) by Jahraus & Associates.

The MSRM is currently investigating policy around adjustments to very young stands. In some units, sampling has been restricted to stands greater than 30 years of age. As a result, adjustment factors using the minimum age criterion of >30 years are shown in this Appendix. Note that only one sample, in the Pine, <=80 years stratum was impacted. Adjustment factors in all other strata remain the same.

The final column in this table reflects corrections to the stocking class source code calculated in late 2004. The resulting stocking class changes impacted inventory volume and "attribute-adjusted" inventory volume (i.e. any volumes produced in VDYP6.6d that were dependent on stocking class). Note that stocking class was also corrected to recognize the adjusted attributes (i.e. to account for any changes to stocking class as a result of a sample crossing a maturity boundary due to the age adjustment). The changes to stocking class that had a volume impact[1] were restricted to Pl and At leading samples and hence affected only the Pine leading and Deciduous leading strata.

Adjustment ratios were applied to all inventory data in the sampled population in the 100 Mile House TSA, excluding the Lignum Chart Area, in March 2004 using the height adjustment, age adjustment, and volume adjustment ratio values below. At this time, the adjustment ratios of means, applied to the interim (attribute adjusted) volumes with OLD STKCLS values were used. In January 2005, MSRM applied the new adjustment and new adjusted volumes for all polygons. The new volume adjustment ratio values reflect the re-analysis of this data, following corrections made to the stocking class values in the corporate database.

[1] There were 3 samples that changed from stocking class 0 to 1 (or vice versa). Such a change had no impact on volume.

Stratum	Height adjustment ratio of means	Age adjustment ratio of means	"Attribute-adjusted" volume adjustment ratio of means[2] with OLD STKCLS	"Attribute-adjusted" volume adjustment ratio of means[3] with NEW STKCLS
Pine leading, <= 80 yrs	1.152	1.040	0.881	0.878
Pine leading, >80 yrs	1.027	0.880	0.854	0.852
Fir leading, <=120 yrs	1.210	1.003	1.123	1.123
Fir leading, >120 yrs	0.875	0.608	1.312	1.312
Other coniferous leading	0.911	0.893	0.918	0.918
Deciduous leading[4]	0.926	0.908	1.011	1.014

[2] Based on revised NVAF compiled volumes (September 2003).

[3] Based on revised NVAF compiled volumes (September 2003).

[4] Since sample size in this strata was very small, the ratio for this stratum is based on the "deciduous leading" combined with the "other coniferous leading".